

**Abstract**

It is the object of the invention to make available a method of transferring user data packets from a terminal to a mainframe of an S-CDMA point-to-multipoint system, in which the data transfer is optimised. The method according to the invention comprises the steps of a repeated transmission of reference data packets coded with pilot codes for the duration of the connections between terminals and mainframe, wherein the reference data packets contain previously known information, and the transmission of user data packets coded with communication codes comprising the user information to be transferred. In a preferred embodiment of the invention the user data packets are transmitted as coded synchronously in time to the reference data packets, superimposed on these and then modulated. Each terminal is allocated a pilot code, and at least one communication code.